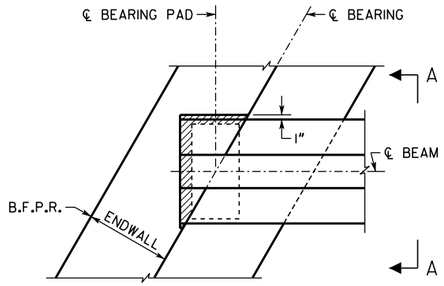
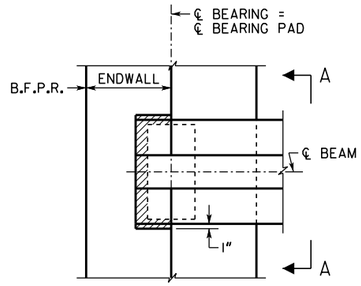
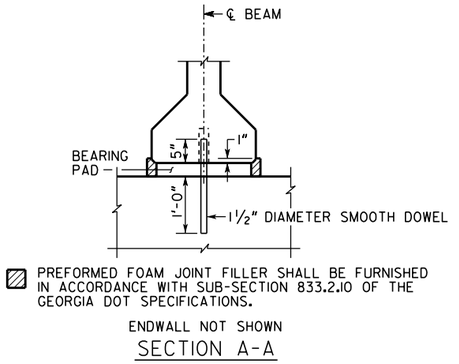


PLAN
BENT 1 SHOWN
BENT 4 SIMILAR



PLAN
BENT 1 SHOWN
BENT 4 SIMILAR



PREFORMED FOAM JOINT FILLER SHALL BE FURNISHED IN ACCORDANCE WITH SUB-SECTION 833.2.10 OF THE GEORGIA DOT SPECIFICATIONS.

ENDWALL NOT SHOWN

SECTION A-A

PLAN
BENT 1 SHOWN
BENT 4 SIMILAR

PLAN

SECTION B-B

BEARING PAD

NOTES

1. BEARING PADS HAVE BEEN DESIGNED ACCORDING TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 14.7.6 METHOD A AND SHALL BE FURNISHED IN ACCORDANCE WITH AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS, SECTION 18, BEARING DEVICES.
2. 1½" DIAMETER SMOOTH DOWELS SHALL BE ASTM A709 GRADE 50.
3. BEARING PADS SHALL BE MADE OF 60 DUROMETER HARDNESS NEOPRENE, GRADE 2 OR HIGHER.
4. 3" DIAMETER HOLE IN BEARING PADS MAY BE FORMED OR DRILLED.
5. BEARING PADS SHALL HAVE ¼" COVER ON THE TOP, BOTTOM, AND SIDES AND AROUND THE HOLE.
6. 3/16" LOAD PLATES AND 14 GAGE INTERNAL PLATE(S) (IF REQUIRED) SHALL BE ASTM A709 GRADE 36 OR ASTM A1011 GRADE 36.
7. NUMBER OF INTERNAL PLATES SHOWN FOR ILLUSTRATION PURPOSES ONLY. THE NUMBER OF INTERNAL PLATE(S) SPECIFIED SHALL BE EQUALLY SPACED BETWEEN LOAD PLATES.
8. USE OF 1½° MOLD DRAFT IS OPTIONAL.

BENT	BEARING PADS							
	W	L	T	NUMBER OF INTERNAL PLATE(S)	DESIGN SHEAR DEFLECTION	DESIGN LOADS (KIPS) DEAD LOAD	LIVE LOAD (NO IMPACT)	DEAD LOAD + LIVE LOAD
1	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

BEARING PAD DETAILS

X

X X

X X

DRAWING NO. X

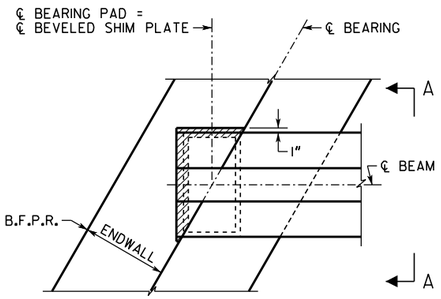
BRIDGE SHEET X

BY	DATE	REVISIONS
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X

DESIGNED X CHECKED X REVIEWED DLC/SKG
DRAWN X DESIGN GROUP X APPROVED DPD

1 INCH WHEN PRINTED FULL SIZE

REVISED NOVEMBER 10, 2022



PLAN
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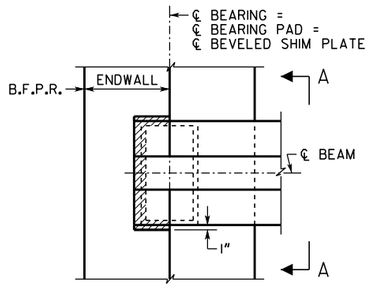

PLAN
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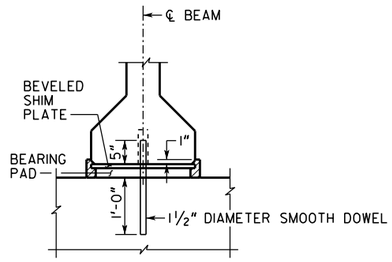
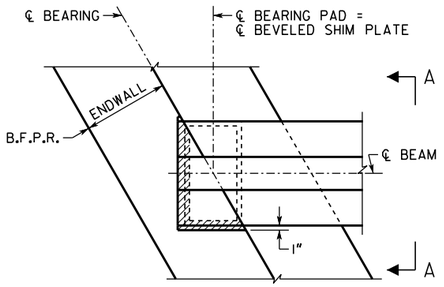


▨ PREFORMED FOAM JOINT FILLER SHALL BE IN ACCORDANCE WITH SUB-SECTION 833.2.10 OF THE GEORGIA DOT SPECIFICATIONS.

ENDWALL NOT SHOWN

SECTION A-A



PLAN
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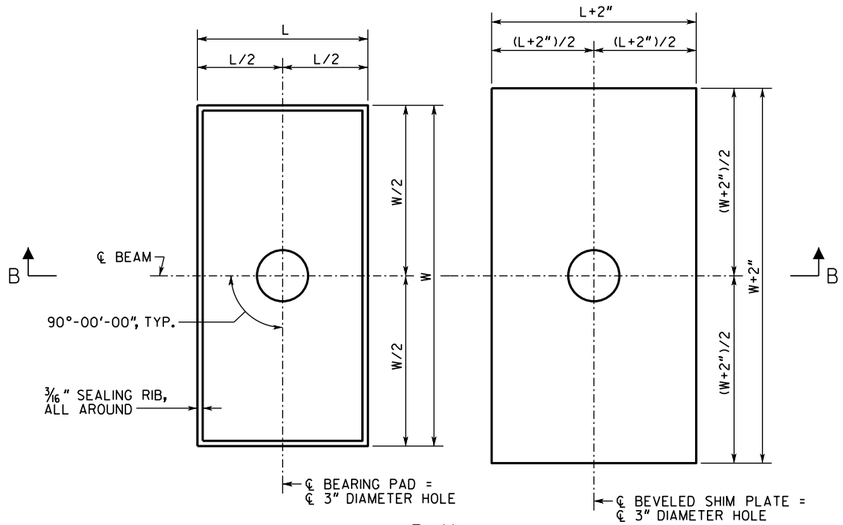
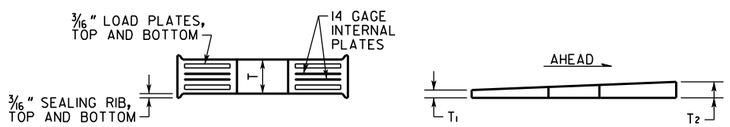
BENT 4 SIMILAR



PLAN

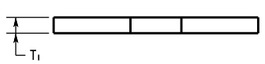


SECTION B-B

BEARING PAD

BEVELED SHIM PLATE

BEVELED SHIM PLATE



SHIM PLATE

NOTES

1. BEARING PADS HAVE BEEN DESIGNED ACCORDING TO AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, SECTION 14.7.6 METHOD A AND SHALL BE FURNISHED IN ACCORDANCE WITH AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS, SECTION 18, BEARING DEVICES.
2. 1½" DIAMETER SMOOTH DOWELS SHALL BE ASTM A709 GRADE 50.
3. BEARING PADS SHALL BE MADE OF 60 DUROMETER HARDNESS NEOPRENE, GRADE 2 OR HIGHER.
4. 3" DIAMETER HOLE IN BEARING PADS MAY BE FORMED OR DRILLED.
5. BEARING PADS SHALL HAVE ¼" COVER ON THE TOP, BOTTOM, AND SIDES AND AROUND THE HOLE.
6. 3/16" LOAD PLATES AND 14 GAGE INTERNAL PLATE(S) (IF REQUIRED) SHALL BE ASTM A709 GRADE 36 OR ASTM A1011 GRADE 36.
7. NUMBER OF INTERNAL PLATES SHOWN FOR ILLUSTRATION PURPOSES ONLY. THE NUMBER OF INTERNAL PLATE(S) SPECIFIED SHALL BE EQUALLY SPACED BETWEEN LOAD PLATES.
8. USE OF 1½° MOLD DRAFT IS OPTIONAL.
9. BEVELED SHIM PLATES SHALL BE ASTM A709 GRADE 36 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123.

BENT	BEARING PADS								BEVELED SHIM PLATES	
						DESIGN LOADS (KIPS)				
	W	L	T	NUMBER OF INTERNAL PLATE(S)	DESIGN SHEAR DEFLECTION	DEAD LOAD	LIVE LOAD (NO IMPACT)	DEAD LOAD + LIVE LOAD	T1	T2
1	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

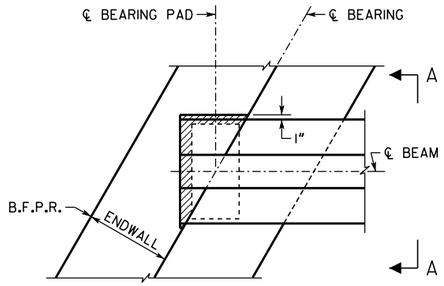
BEARING PAD DETAILS
X
X X
X X

BY	DATE	REVISIONS
X	X	X

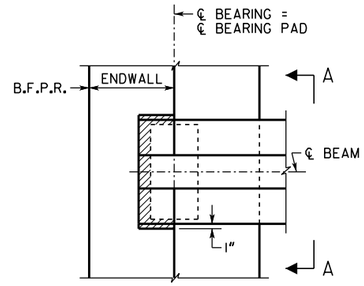
DRAWING NO. X
BRIDGE SHEET X

DESIGNED X | CHECKED X | REVIEWED DLC/SKG
DRAWN X | DESIGN GROUP X | APPROVED DPD

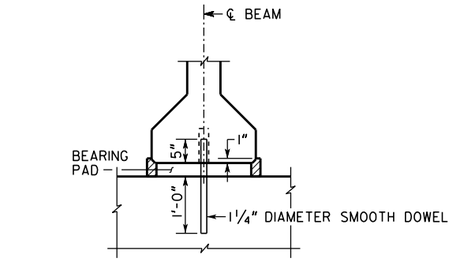
REVISED NOVEMBER 10, 2022



PLAN
BENT 1 SHOWN
BENT 4 SIMILAR



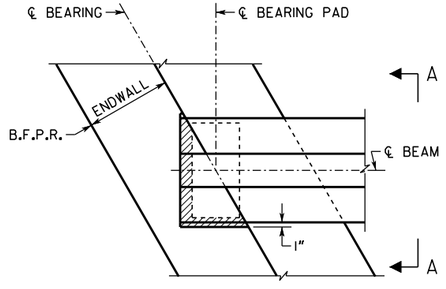
PLAN
BENT 1 SHOWN
BENT 4 SIMILAR



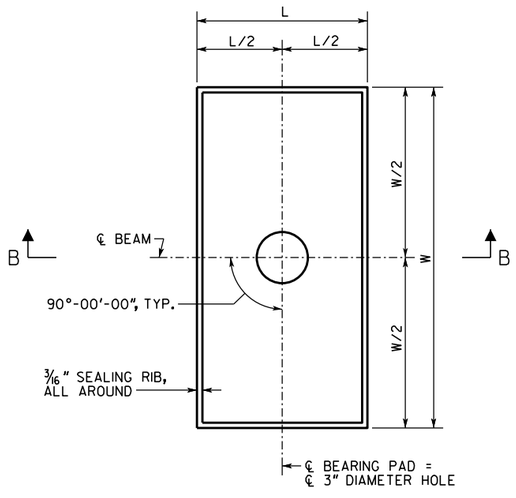
PREFORMED FOAM JOINT FILLER SHALL BE FURNISHED IN ACCORDANCE WITH SUB-SECTION 833.2.10 OF THE GEORGIA DOT SPECIFICATIONS.

ENDWALL NOT SHOWN

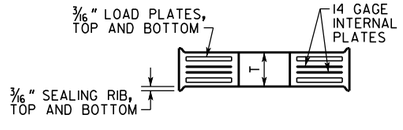
SECTION A-A



PLAN
BENT 1 SHOWN
BENT 4 SIMILAR



PLAN



SECTION B-B

BEARING PAD

NOTES

1. BEARING PADS HAVE BEEN DESIGNED ACCORDING TO AASHTO SPECIFICATIONS DIVISION I, SECTION 14.6.6 METHOD A AND SHALL BE FURNISHED IN ACCORDANCE WITH AASHTO SPECIFICATIONS DIVISION II, SECTION 18, BEARINGS.
2. 1¼" DIAMETER SMOOTH DOWELS SHALL BE ASTM A709 GRADE 36.
3. BEARING PADS SHALL BE MADE OF 60 DUROMETER HARDNESS NEOPRENE, GRADE 2 OR HIGHER.
4. 3" DIAMETER HOLE IN BEARING PADS MAY BE FORMED OR DRILLED.
5. BEARING PADS SHALL HAVE ¼" COVER ON THE TOP, BOTTOM, AND SIDES AND AROUND THE HOLE.
6. 3/16" LOAD PLATES AND 14 GAGE INTERNAL PLATE(S) (IF REQUIRED) SHALL BE ASTM A709 GRADE 36 OR ASTM A1011 GRADE 36.
7. NUMBER OF INTERNAL PLATES SHOWN FOR ILLUSTRATION PURPOSES ONLY. THE NUMBER OF INTERNAL PLATE(S) SPECIFIED SHALL BE EQUALLY SPACED BETWEEN LOAD PLATES.
8. USE OF 1½° MOLD DRAFT IS OPTIONAL.

BENT	BEARING PADS							
						DESIGN LOADS (KIPS)		
	W	L	T	NUMBER OF INTERNAL PLATE(S)	DESIGN SHEAR DEFLECTION	DEAD LOAD	LIVE LOAD (NO IMPACT)	DEAD LOAD + LIVE LOAD
1	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

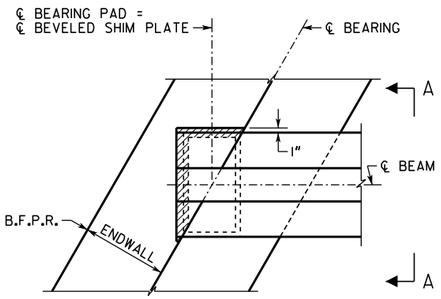
BEARING PAD DETAILS
X
X X
X X

DRAWING NO. X
BRIDGE SHEET X

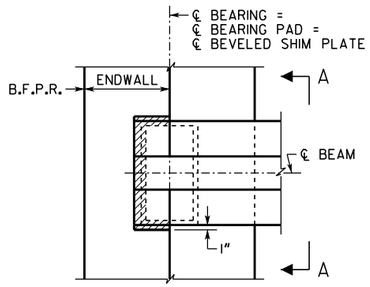
DATE x x x x x
REVISIONS x x x x x
BY x x x x x

DESIGNED X | CHECKED X | REVIEWED DLC/SKG
DRAWN X | DESIGN GROUP X | APPROVED DPD

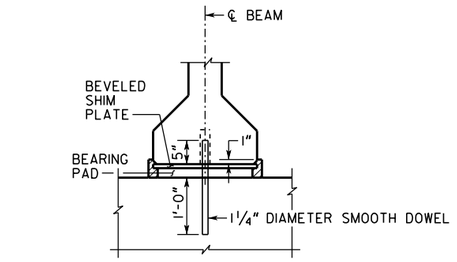
REVISED NOVEMBER 10, 2022



PLAN
BENT 1 SHOWN
BENT 4 SIMILAR



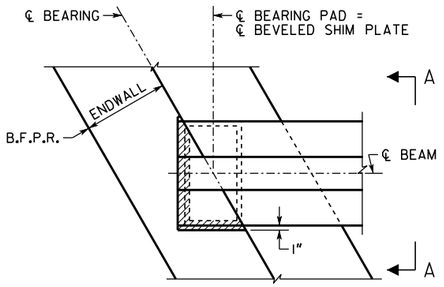
PLAN
BENT 1 SHOWN
BENT 4 SIMILAR



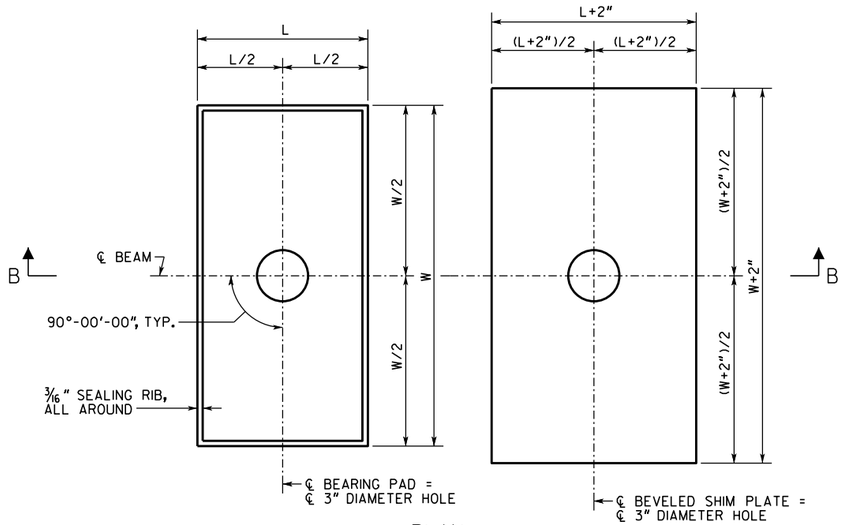
▨ PREFORMED FOAM JOINT FILLER SHALL BE IN ACCORDANCE WITH SUB-SECTION 833.2.10 OF THE GEORGIA DOT SPECIFICATIONS.

ENDWALL NOT SHOWN

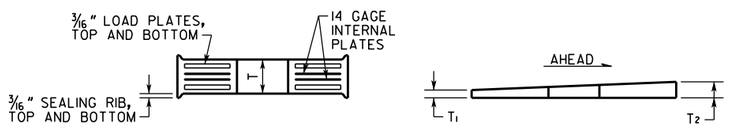
SECTION A-A



PLAN
BENT 1 SHOWN
BENT 4 SIMILAR



PLAN

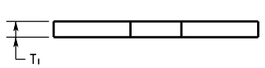


SECTION B-B

BEARING PAD

BEVELED SHIM PLATE

BEVELED SHIM PLATE



SHIM PLATE

NOTES

1. BEARING PADS HAVE BEEN DESIGNED ACCORDING TO AASHTO SPECIFICATIONS DIVISION I, SECTION 14.6.6 METHOD A AND SHALL BE FURNISHED IN ACCORDANCE WITH AASHTO SPECIFICATIONS DIVISION II, SECTION 18, BEARINGS.
2. 1 1/4" DIAMETER SMOOTH DOWELS SHALL BE ASTM A709 GRADE 36.
3. BEARING PADS SHALL BE MADE OF 60 DUROMETER HARDNESS NEOPRENE, GRADE 2 OR HIGHER.
4. 3" DIAMETER HOLE IN BEARING PADS MAY BE FORMED OR DRILLED.
5. BEARING PADS SHALL HAVE 1/4" COVER ON THE TOP, BOTTOM, AND SIDES AND AROUND THE HOLE.
6. 3/16" LOAD PLATES AND 14 GAGE INTERNAL PLATE(S) (IF REQUIRED) SHALL BE ASTM A709 GRADE 36 OR ASTM A1011 GRADE 36.
7. NUMBER OF INTERNAL PLATES SHOWN FOR ILLUSTRATION PURPOSES ONLY. THE NUMBER OF INTERNAL PLATE(S) SPECIFIED SHALL BE EQUALLY SPACED BETWEEN LOAD PLATES.
8. USE OF 1 1/2° MOLD DRAFT IS OPTIONAL.
9. BEVELED SHIM PLATES SHALL BE ASTM A709 GRADE 36 AND SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A123.

BENT	BEARING PADS								BEVELED SHIM PLATES	
						DESIGN LOADS (KIPS)				
	W	L	T	NUMBER OF INTERNAL PLATE(S)	DESIGN SHEAR DEFLECTION	DEAD LOAD	LIVE LOAD (NO IMPACT)	DEAD LOAD + LIVE LOAD	T1	T2
1	X	X	X	X	X	X	X	X	X	X
2	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

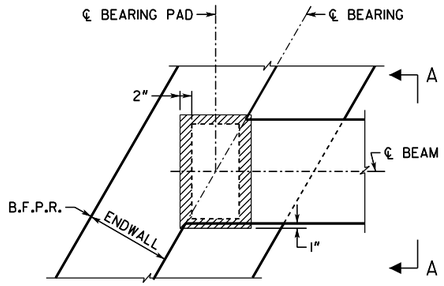
BEARING PAD DETAILS
X
X X
X X

BY	DATE	REVISIONS
X	X	X

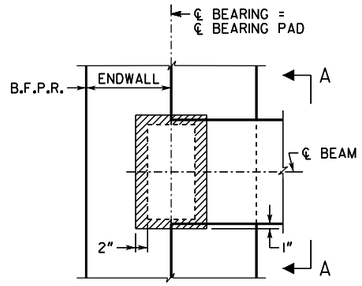
DRAWING NO. X
BRIDGE SHEET X

DESIGNED X | CHECKED X | REVIEWED DLC/SKG
DRAWN X | DESIGN GROUP X | APPROVED DPD

REVISED NOVEMBER 10, 2022



PLAN
BENT 1 SHOWN
BENT 4 SIMILAR



PLAN
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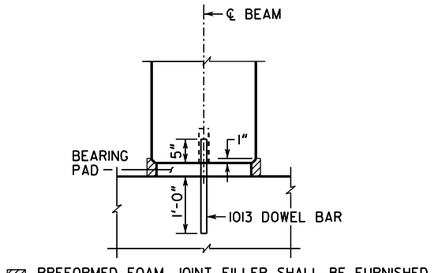
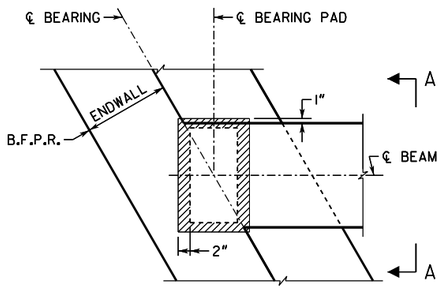
BENT 4 SIMILAR



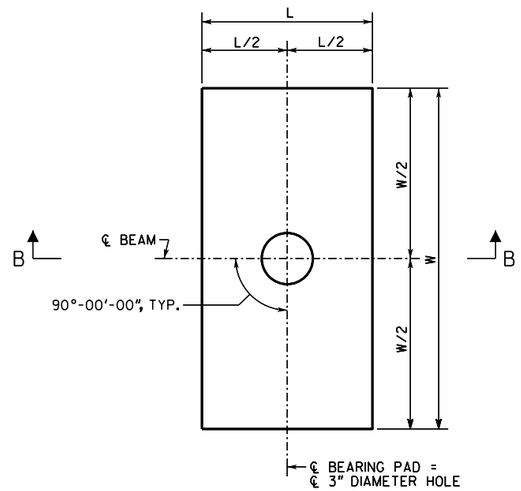
PREFORMED FOAM JOINT FILLER SHALL BE FURNISHED IN ACCORDANCE WITH SUB-SECTION 833.2.10 OF THE GEORGIA DOT SPECIFICATIONS.

ENDWALL NOT SHOWN

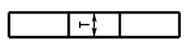
SECTION A-A



PLAN
BENT 1 SHOWN
BENT 4 SIMILAR

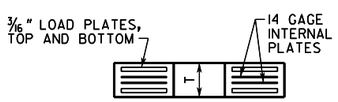


PLAN



SECTION B-B

BEARING PAD "A"



SECTION B-B

BEARING PAD "B"

NOTES

1. BEARING PAD "A" SHALL BE FURNISHED IN ACCORDANCE WITH AASHTO SPECIFICATIONS DIVISION II, SECTION 18, BEARINGS.
2. BEARING PAD "B" HAVE BEEN DESIGNED ACCORDING TO AASHTO SPECIFICATIONS DIVISION I, SECTION 14.6.6 METHOD A AND SHALL BE FURNISHED IN ACCORDANCE WITH AASHTO SPECIFICATIONS DIVISION II, SECTION 18, BEARINGS.
3. BEARING PADS SHALL BE MADE OF 60 DUROMETER HARDNESS NEOPRENE, GRADE 2 OR HIGHER.
4. 3" DIAMETER HOLE IN BEARING PADS MAY BE FORMED OR DRILLED.
5. REINFORCED BEARING PADS SHALL HAVE 1/4" COVER ON THE TOP, BOTTOM, AND SIDES AND AROUND THE HOLE.
6. 3/16" LOAD PLATES AND 14 GAGE INTERNAL PLATE(S) (IF REQUIRED) SHALL BE ASTM A 709 GRADE 36 OR ASTM A1011 GRADE 36.
7. NUMBER OF LOAD PLATES AND INTERNAL PLATES SHOWN FOR ILLUSTRATION PURPOSES ONLY. THE NUMBER OF INTERNAL PLATE(S) SPECIFIED SHALL BE EQUALLY SPACED BETWEEN LOAD PLATES.
8. USE OF 1 1/2° MOLD DRAFT IS OPTIONAL.
9. COST OF FURNISHING AND INSTALLING BEARING PADS SHALL BE INCLUDED IN "LUMP CY SUPERSTR CONCRETE, CL AA".
10. SHOULD THE CONTRACTOR CHOOSE TO SUBSTITUTE PRECAST BEAMS FOR THE CAST-IN-PLACE BEAMS SHOWN, BEARING PADS "B" SHALL BE REDESIGNED ACCOUNTING FOR NEW LOADS AND ROTATIONS AND SHALL HAVE 3/16" SEALING RIBS TOP AND BOTTOM. BEARING PADS "A" SHALL REMAIN AS SHOWN.

BENT	BEARING PADS									
								DESIGN LOADS (KIPS)		
	DESIGN	W	L	T	NUMBER OF LOAD PLATES	NUMBER OF INTERNAL PLATE(S)	DESIGN SHEAR DEFLECTION	DEAD LOAD	LIVE LOAD (NO IMPACT)	DEAD LOAD + LIVE LOAD
1	PAD A	16"	9"	1/2"	-	-	-	-	-	-
2	X	X	X	X	X	X	X	X	X	X
3	X	X	X	X	X	X	X	X	X	X
4	X	X	X	X	X	X	X	X	X	X

BRIDGE NO. 1

GEORGIA
DEPARTMENT OF TRANSPORTATION
ENGINEERING DIVISION-OFFICE OF BRIDGES AND STRUCTURES

BEARING PAD DETAILS

X

X X

X X

DRAWING NO. X

BRIDGE SHEET X

BY	REVISIONS	DATE
X	X	X
X	X	X
X	X	X
X	X	X
X	X	X

DESIGNED X | CHECKED X | REVIEWED DLC/SKG
DRAWN X | DESIGN GROUP X | APPROVED DPD

REVISED NOVEMBER 10, 2022